Yahoo Group Archive: Repeater-tips

These Yahoo Groups messages were archived in WARC format by ArchiveTeam in 2017. This PDF was generated by Digital Library of Amateur Radio & Communications from the WARC files in 2026.

Date span: 2005-07-04 through 2009-08-06

Source WARC: repeater-tips.ab0e9aV.warc.gz

Source item: https://archive.org/details/yahoo-groups-2017-09-13T16-11-56Z-48df56

Messages included in this PDF: 70

Yahoo replaced the domain portions of email addresses with @... in the archived messages. Characters lost in Yahoo's archived text appear as ?.

Messages are presented in ascending Yahoo message-ID order. Gaps indicate records absent from the source WARC or messages omitted from this PDF as spam.

10. Changes on the Maggiore repeaters.

Yahoo group: Repeater-tips
Date: 2005-07-04 12:08:06 UTC
From: Cooktowersinc@aol.com
Topic: 10 Message: 10

Paul Maggore let it be known here on Repeater-Tips today

that they now have there 144,222,440 Ham repeater with DPL

as well as PL. The new repeater is true FM to support the use

of DPL. So far the cost of the new repeater will be the same as

the PM models.

You can get the full Maggiore line of repeaters from.

Cook Towers, INC. (877)992-2665

Maggiore, INC. (610)436-6051

15. Port-a-peater installed in the south!

Yahoo group: Repeater-tips
Date: 2005-09-12 14:14:09 UTC
From: FEMA SE JUMP TEAM.
Topic: 15 Message: 15

With the help of Cook Towers, INC.

Metro-Comm, INC. sent down to the
storm area it's 220 and two meter
portabale repeaters. The very one's
on the front page of the Repeater-tips on yahoo groups
home page. Along with the Metro-Comm,inc Ham
repeaters a Kenwood TKR-850 for GMRS, a 100'
trailer mounted tower, propain genartor set.
(FEMA is supplying the propain).
All the above was installed or set up by the
nice folks at Cook Tower GA. and NJ office's.

A big THANK YOU to the nice folks at Metro-Comm, Comm
and Cook Towers for the loan of all the equment!

John Harting,
FEMA jump team SE.

16. Maggiore has true FM now!

Yahoo group: Repeater-tips
Date: 2005-10-01 21:21:48 UTC
From: Dean Westbrook
Topic: 16 Message: 16

Hello All,

I know most of you know that most radio's

and Repeaters now days are PM.

Maggiore Labs is now getting ready to

come out with a true FM repeater for

Two Meters, 222 and 440 Ham as well as

there 450 to 470 FCC cert. Business band.

These new repeaters have audio like an

FM broadcast station!

I for one think it is about time!

Paul Maggiore, AA3VI has out done him self

on this one.

Very best,
Dean Westbrook, EE, PE.
Cook Towers, INC.

19. Prices going up!

Yahoo group: Repeater-tips
Date: 2005-10-22 00:40:39 UTC
From: Dean Westbrook
Topic: 19 Message: 19

Hello All,

Cook Towers will be raiseing its prices on

the full Kenwood line as well as RFS and DB.

Kenwood, RFS and DB raised its prices over a year ago but Cook Towers did not do so at that time. I am so sorry to report the increase.

Very best,

Dean Westbrook, EE,PE.

Cook Towers, INC.

20. Neat URL.

Yahoo group: Repeater-tips
Date: 2005-10-24 00:05:14 UTC
From: Russ Stafford
Topic: 20 Message: 20

Hello All,
I found a neat web page for Manuals and radio mod's

www.mods.dk

enjoy!
Very best of 73,
Russ,
Ham, W3CH.
GMRS, WPYK-254.

21. Best repeater vote is in.

Yahoo group: Repeater-tips
Date: 2005-10-25 14:41:31 UTC
From: ARRL
Topic: 21 Message: 21

Hello All,

A poll of 2,000 Ham repeater owners
voted the Kenwood TKR repeaters number
one with the Hams and the Maggiore HiPro
R-1 as number two with the Hams.
Neat thing to know when we go to buy a new
repeater.

Controllers.
The Arcom RC-210 was voted number one. The
Link-Comm RLC-3 was voted number two.
The Cat was voted number three.

Repeater antennas.
The DB-224 was voted number one for two meters and
220. The RFS PD-455 super station master was voted
number one for 440.
Number two for two meters and 220 was the RFS PD-200
the number two pick for 440 was the Sinclair.

The number one repeater amp for two meter, 220 and 440
was the Creased. The number two amp for two meter, 220 and 440 was the TE Systems.

Repeater power supplies.
Number one was the Astron rack mount RM-50
Number two was the Astron rack mount RM-35
Not asked but got many write in's was the Astron 70
amp desk top power supply.

Its kinda neat to see how all the repeater owners
voted for the repeaters and the hardware.

22. RC 210 question's

Yahoo group: Repeater-tips
Date: 2005-10-25 16:40:10 UTC
From: Ken
Topic: 21 Message: 22

Reply about some of the questions on the Arcom-210 Controller.

The 32.768kHz crystal could either be bad or not seeing the correct load. Most of them would like to see 16.5pF, It could be possible to hand some caps accross the crystal in order to tempreture compensate it and "Net" it. Such as a fixed NPO 22pF and a variable 2-35pF on the other leg. But in order to do this correctly one of the pins of the micro would need to be borrowed temperaroy to output the square wave of the oscillator.

<---The xtal we use should be a close match to the oscillator used and typically, the RTC in the 210 will be accurate to within 30 seconds a month (your mileage may vary of course!), depending on the environment it's in. It is possible that James has a bad xtal, in which case if he'll contact us, we'll send him a replacement. Then again, there are several ways to insure quite good accuracy of the clock with what he has now.

A Dallas RTC would be the most likely choice for "Expansion" of the controller such as the DS1327, as long as you could find one that does 3 wire serial transfer (MISO, MOSI, CLK) you could share the lines that the speech chip uses and just use one of the other lines to SS the chip. But this is not an elegant solution as you are going to need the chip, crystal and a big ugly battery such as a CR2032. There are some Dallas solutions that fit in about the size of the CR-2032 and communicate with "1 Wire" interface.

<----Our new controller, the RC810, uses a separate RTC chip but not the SPI interface. We opted to use the Dallas DS1307, which uses an IC2 interface and a high capacity (1 farad!) backup solution. The thought of a battery leaking all over a nice pc board kinda bugs us :-)

The Speech chip should be ready willing and able to provide at least 350mV peak to peak of audio, with 400mV typical, The way I setup audio this translates to 3.5 - 4kHz deviation. I am running into a problem where the 1.2V output DC bias is wreaking havoc with my audio router on initial power up, and I get almost no audio at all out of it. You can try soldering a 10K ohm resistor between +3.3 and the chips "AUD OUT" pin which I believe is pin 13, This I believe is a defect with the ISD chip, but there are no support groups to confirm or deny this.

<---If the ISD output is capacitively coupled, then the bias voltage that does appear on the AUD OUT line doesn't matter. I don't think this behavior is a defect however but rather deliberate. I seem to remember a Winbond engineer tell me they did that in order to use it as a means of detecting the IC is "awake". But it's been a while since I spoke with them about things...

Ken
---------- President and CTO - Arcom Communications Makers of state-of-the-art repeater controllers and accessories. No virus found in this incoming message. Checked by AVG Free Edition. Version: 7.1.361 / Virus Database: 267.12.5/147 - Release Date: 10/24/2005

23. RC 210 - Thank you

Yahoo group: Repeater-tips
Date: 2005-10-30 03:16:17 UTC
From: James
Topic: 21 Message: 23

From: "James" <WJ1D>
To: <Repeater-tips@yahoogroups.com>
Sent: Saturday, October 29, 2005 10:34 PM
Subject: RC 210 - Thank you

About a week or so ago, I posted to the list server
about some issues that I was having with my RC 210 repeater controllers
from Arcom. That posting eventually resulted in a phone conversation
with Ken (The Owner of Arcom)regarding my issues, and that resulted in some
fine service
from Ken and Arcom. Ken was kind enough to send me some parts I needed
to resolve two separate issues (timeclock running erratically, and a
logic interface issue for PL encode control). These parts were sent to
me at NO COST and with instructions on their usage (mind you they got
here very quickly as well!). I would like to use this public forum to
personally thank Ken and Arcom for the excellent service, I will return
for more controllers as the repeater system here is updated or expanded
and needs more controllers. I now know why they were voted number one
controller by the Hams.

Thanks again!

James Delancy WJ1D
Northville Amateur Radio Association, Inc. NA1RA

2 RC210's in the system!

29. Low loss antenna mounts up date!

Yahoo group: Repeater-tips
Date: 2005-12-06 14:13:03 UTC
From: Dean Westbrook. EE. PE.
Topic: 29 Message: 29

Hello All,

As most of us (we) know Cook Towers had some custom
made very low loss antenna mounts made.
1- NMO-K type with Silver/Silver Teflon low loss PL-259's (should be used as a good mobile install)
2- NMO-TL Trunk Lip or Hatch back mount. (second choice for a good mobile install!)
3- NMO-MM Mag mount (NOT recommended for permanent use or day to day)

All with mil spec. RG-142 double shielded coax and very low loss
silver/silver PL-259's or mini PL's attached. NOT CRIMP on but
soldered on. These mounts have worked wonderful!
But they have found that the solid center conductor in the coax
is a problem in cold weather. The problem has been fixed.
The next custom order will be made with mil spec RG-400 coax
all the same specs as RG-142 as far as looks and loss but RG-400
has a strained center conductor that will let it bend better and not have
any problems with the cold.
ANY ONE WHO GOT MOUNTS FROM THE 1ST ORDER PLEASE CALL
COOK TOWERS FOR A REPLACEMENT OF THE CUSTOM MOUNTS
THAT HAVE THE RG-142 WITH A NEW MOUNT WITH THE RG-400
THIS WILL BE DONE FREE OF CHARGE OF COARSE (877)-992-2665
You may all so contact Kathy, AB2LF at the above toll free number if
you would like to get in on the next custom order of these fine antenna
mounts. I have one on 462 MHz GMRS and let me just say WHAT A DIFFERENT
THEY MAKE! I have the NMO-K mount with the RG-400 and an Antex 5/8 UHF
wide band antenna and just the change in the mount made a big different!

Yes these mounts work for 10 meter, CB, 6, 2, 220, 440, 462 (GMRS), 927 (Ham)
1296 we tested all the above and got very good results on all the above frequencies
at work.

73,
Dean Westbrook, EE,PE.
Cook Towers, INC.

30. To reply to all!

Yahoo group: Repeater-tips
Date: 2005-12-06 17:05:20 UTC
From: dean22496
Topic: 30 Message: 30

Hello All,

I can not to any thing about prices.
I just work for Cook and I am not a
sales person. So if you need a price
on the very low loss antenna mounts
please call Kathy, AB2LF here at the office
or e-mail her. I was just reporting on the
low loss mounts and the up-grade to them
for the group.I did think I would get 23 emails
back this morning about the mounts.
Kathy's contact info is:
Toll free, (877)992-2665
e-mail cooktowers@...
She will discount to folks who do public service.
Ham's, REACT, CBer, GMRS, Fire fighters.
so let her know.

73,
Dean Westbrook, EE,PE.

31. Re: Low loss antenna mounts up date!

Yahoo group: Repeater-tips
Date: 2005-12-06 15:06:54 UTC
From: rtoplus
Topic: 29 Message: 31

Hi Dean

You guys sound like my life saver!! I have been trying to get a mobile/portable UHF repeater to act properly in my communications van. Obviously, using standard RG-58 used in most mobile mounts lends itself to a very deaf mobile repeater.

What are your prices on these new items and what is the estimated shipping time frame?

Thanks
Bob, GMRS WPVV845, Amateur KG4WAD, LMRS WPXC892

--- In Repeater-tips@yahoogroups.com, Dean Westbrook. EE. PE.<cooktowersinc@a...> wrote:
>
> Hello All,
>
> As most of us (we) know Cook Towers had some custom
> made very low loss antenna mounts made.
> 1- NMO-K type with Silver/Silver Teflon low loss PL-259's (should be used as a good mobile install)
> 2- NMO-TL Trunk Lip or Hatch back mount. (second choice for a good mobile install!)
> 3- NMO-MM Mag mount (NOT recommended for permanent use or day to day)
>
> All with mil spec. RG-142 double shielded coax and very low loss
> silver/silver PL-259's or mini PL's attached. NOT CRIMP on but
> soldered on. These mounts have worked wonderful!
> But they have found that the solid center conductor in the coax
> is a problem in cold weather. The problem has been fixed.
> The next custom order will be made with mil spec RG-400 coax
> all the same specs as RG-142 as far as looks and loss but RG-400
> has a strained center conductor that will let it bend better and not have
> any problems with the cold.
> ANY ONE WHO GOT MOUNTS FROM THE 1ST ORDER PLEASE CALL
> COOK TOWERS FOR A REPLACEMENT OF THE CUSTOM MOUNTS
> THAT HAVE THE RG-142 WITH A NEW MOUNT WITH THE RG-400
> THIS WILL BE DONE FREE OF CHARGE OF COARSE (877)-992-2665
> You may all so contact Kathy, AB2LF at the above toll free number if
> you would like to get in on the next custom order of these fine antenna
> mounts. I have one on 462 MHz GMRS and let me just say WHAT A

DIFFERENT
> THEY MAKE! I have the NMO-K mount with the RG-400 and an Antex 5/8
UHF
> wide band antenna and just the change in the mount made a big
different!
>
> Yes these mounts work for 10 meter, CB, 6, 2, 220, 440, 462
(GMRS), 927 (Ham)
> 1296 we tested all the above and got very good results on all the
above frequencies
> at work.
>
> 73,
> Dean Westbrook, EE,PE.
> Cook Towers, INC.
>

32. Prices on low loss antenna mounts.

Yahoo group: Repeater-tips
Date: 2005-12-06 20:32:03 UTC
From: Kathy,
Topic: 32 Message: 32

Dean put out a msg about the custom ordered very low loss
antenna mounts. Many many replayed as to price.
I will give the list price here but you will have to call
me at my office for any type of discounted price.(877)992-2665
or e-mail me direct at cooktowers@...
The "K" type mounts with RG-400 and silver/silver Teflon very
low loss PL-259 connector installed are as follows.
K mount with 5 feet of mil spec. RG-400 w/PL-259 $40.18
Same as above with 9 feet $49.14
Same as above with 17 Feet $59.36

Trunk Lip/Hatch back with 20 feet RG-400 w/PL-259 $86.38
Same as above but Mag Mount. For temp use only! $93.52

I hope this will answer many of the questions I have been
getting today. The above are very nice and very low loss mounts!
They will work very well with your NMO type antennas.
We have a full line of mobile antennas as well.

Very best of 73,
Kathy
Cook Towers, INC.

33. Equipment for sale

Yahoo group: Repeater-tips
Date: 2005-12-11 22:53:25 UTC
From: w3wf@aol.com
Topic: 33 Message: 33

From: "Charles Weigand" <w3wf@...>
To: <w3publicservice@yahoogroups.com>
Sent: Sunday, December 11, 2005 4:53 PM
Subject: [w3publicservice] Equipment for sale

Hello to all.
I am listing this equipment on behalf of Dave N3KGG. If you see anything that intrest you please contact Dave via email at direntis@... as I do not have the equipment here. Dave is taking a break from the hobby, so he is not looking to trade for other equipment.
He takes good care of his equipment , so unless stated otherwise you can assume that it is in excellent condition, and I can vouch for that.His radio's are not modified or opened up unless stated.

The pricesare what he would like to see for the units, but he is open for some negotiations (within reason).

Kenwood TM-741-A Tribander 2M/440/220. Extra longface plate kit, (cables are brand new), & duplexer $550.00

Kenwood TM-731-A Dualband 2M/440 w/diamond duplexer. May be developing aloose antenna lead (pigtail) Good cond. $125.00

Icom IC-2720-H Dualband 2M/440 Only a year old $300.00

Kenwood TH-77-A 2M/440 HT. Extra batteries, Rapid charger, wall charger, cig. lighter plug, 2 antennas, pouches, and a brand new face plate, radio has been opened up. $150.00

Kenwood PS-50 Heavy Duty Power Supply, Has seen Limited use $150.00

Astron 4A Power Supply $25.00

Yeasu YS-500 SWR& Power meter 140-525 Mhz. wired to light up $50.00

Radio Shack HTX-420 2M/440 HT Practically new only used twice $75.00

Dave will be happy to email a picture of anything that you are intrested in as well . once again if you see anything that you would like contact Dave directly . direntis@...

Very Best of 73,
Charlie, W3WF for Dave, N3KGG.

37. Yahoo Planned Outages

Yahoo group: Repeater-tips
Date: 2005-12-26 14:32:06 UTC
From: w3publicservice@yahoogroups.com
Topic: 37 Message: 37

From our group's hosting service:

"Yahoo! Groups will be performing critical database maintenance this week. During this maintenance work, 25% of groups will be offline.

"Messages sent to affected groups during this interval will be queued and delivered once the groups are back online.

"The work is currently scheduled for Tuesday night, December 27th, from 9:00 PM until 2:00 AM Wednesday morning Pacific time (Wednesday morning 5:00-10:00 AM GMT). However, there is a chance it may need to be delayed until later in the week. We will keep this page updated with the latest information."

No adjustment of your set is necessary.

Your moderator team
..

38. Happy New Year!

Yahoo group: Repeater-tips
Date: 2005-12-31 18:20:34 UTC
From: Russ Stafford
Topic: 38 Message: 38

Kathy, AB2LF and I would like to wish every one a safe and Happy New Year!

Very best of 73,

Russ, W3CH

39. Happy New Years wishes!

Yahoo group: Repeater-tips
Date: 2005-12-31 18:26:23 UTC
From: dean44305
Topic: 39 Message: 39

Hello All my friends on the repeater-tips list sever.

I enjoyed helping every one in 2005 with repeater problems.

It has been a great year!

From my family to yours best wishes for the upcoming New Year. "2006"

Dean Westbrook, EE, PE.

Cook Towers, INC.

40. Fw: [w3publicservice] Things all communicators will need to know

Yahoo group: Repeater-tips
Date: 2006-01-02 23:48:26 UTC
From: Russ Stafford
Topic: 40 Message: 40

Hello All,
This came out on the Public Service list and I thought it could be a big help to every one. If you are not signed up on the list you mite want to. You go to Yahoo Groups.COM and type in W3PUBLICSERVICE then just sign up. Or just click below.
There is lots of good info on radio installs that are going to be coming from a real pro. Dean is just about as good as it gets. If I myself have a problem he is who I write to and ask. The stuff from Dean is also great for your club news letters.
Please read below.
Very Best of 73,
Russ,
Ham, W3CH
GMRS, WPYK-254

----- Original Message -----
From: dean44305
To: w3publicservice@yahoogroups.com
Sent: Monday, January 02, 2006 6:13 PM
Subject: [w3publicservice] Things all communicators will need to know

To all Communicators,

As many of you may, or may not know, many communicators - mostly Hams - were asked to go home after attempting to volunteer to help with many major disasters in our country this past year. The number one reason was poorly working mobile communication equipment. This has also been the case even locally with some of our larger local public service events.

I have been asked to write a series of articles on how to remedy some of the common problems, but work constraints have not allowed me to do so prior to this. Here are the topics I have come up with to date:

1- Choosing the proper antenna for the job (one antenna doesn't fit all situations)

2- Proper antenna mounting.

3-Proper power connections for the

mobile 2 way radio installation.

4-Proper temporary mobile installations.

Of course, all communicators should be familiar enough to be able to program their radios long before disaster strikes. Remember some installations will work sufficiently for local repeater use, but quickly falter on simplex when there are no repeaters available.

I plan to write each segment on sound engineering practices, drawing on my 35+ years of experience. I hold a Batchlor of Science degree in Electrical Engineering, as well as an

Associates degree in Communications Engineering. We will rely heavily on the laws of physics. We will not be using myths, falicies and half-truths, no matter how common they may be.

We hope that all of our communicators follow this valuable input to make them the best equiped communicators for disasters and public service events. I will also provide a list of local Hams and business that are willing and able to assist you with your mobile installations. If you have any ideas for topics not listed. Please drop me an email and I will try to add it to the list. You may also post questions on topics not covered to the list, if you wish. To visit the group please click below.

Sincerely,

Dean Westbrook, EE, PE

"COMMUNICATORS CAN HELP AND THEY DO "

YAHOO! GROUPS LINKS

a.. Visit your group "w3publicservice" on the web.

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.1.371 / Virus Database: 267.14.9/217 - Release Date: 12/30/2005

41. Repeater Funding

Yahoo group: Repeater-tips
Date: 2006-01-05 13:00:38 UTC
From: Bruce, KD4BOH
Topic: 40 Message: 41

Just an idea, I got $3000.00 of Homeland Security money by going thru local EMA office that had access to alot of different grants. The catch is:

Having someone that knows what to say and how to write the grant and be involved with a Government funded Entity.

Example:

I got 5 dual-band antennas and 500 ft 1/2" hardline for 5 remote receive sites that was put on water towers.

Only catch, If I take my system down I have to leave the antennas and hardline. Otherwise I have total control.

The repeater system does belong to me. But just thought this might give you
an idea. Bruce KD4BOH

43. Antennas Work the Same When Transmitting or Receiving.

Yahoo group: Repeater-tips
Date: 2006-01-14 22:32:56 UTC
From: Russ Stafford
Topic: 43 Message: 43

Dean Asked me to write a few of the basic things on antennas
to help out the group.

ANTENNAS WORK THE SAME WHEN TRANSMITTING OR RECEIVING,

Fortunately, for two-way radio users, antennas receive
equally as well as they transmit. This is true even though it
doesn't always seem that way in actual performance. Due to
such things as noise and interference, the antenna's true performance
in the receive mode can be masked.
Let's start with a basic type of antenna and use it as a stepping
stone to understanding more complex gain arrays in the next posting.
We will call it the Half Wave Dipole. Coming soon!

You may copy or reprint with credit to the group please.

Very Best of 73,
Russ Stafford, EE,PE.
Ham, W3CH.
GMRS, WPYK-254

44. Wavelength, Frequency, and Velocity.

Yahoo group: Repeater-tips
Date: 2006-01-14 22:10:19 UTC
From: Russ Stafford
Topic: 44 Message: 44

Dean has asked me to help with the writing of some of the
things on antennas. So here goes!

WAVELENGTH, FREQUENCY, AND VELOCITY.

We know that a radio wave travels at the same speed as a
beam of light - around 186,000 miles per second, or nearly
a billion feet per second. This is its speed or velocity.
We also know that a radio wave oscillates or alternates
from plus to minus, back to plus, back to minus. ect. The variation
from plus to minus and back to plus is called one cycle or
one hertz - since, like a wheel, it repeats itself.

The number of cycles the signal goes through in one
second is called the frequency. If we know the frequency
(which we can measure), we can then find out how far the
wave travels in one cycle by dividing the speed by the frequency.
We call this distance a wavelength and we generally measure it in feet or inches. Half of
this distance, or the distance between a plus
and a minus change in the wave.
is called a half wavelength.
An idea of the size of a wavelength, or half wavelength,
is useful when we consider how antennas radiate "in phase"
or "out of phase".

You may reprint with credit to the group.

Very best of 73,
Russ Stafford, EE, PE.
Ham, W3CH.
GMRS, WPYK-254
FCC GROL, PG-GB-01751 (Old 1st Class)

49. Bush signs 700 MHz transition package into law

Yahoo group: Repeater-tips
Date: 2006-03-01 13:07:16 UTC
From: Dean Westbrook. EE. PE.
Topic: 49 Message: 49

Bush signs 700 MHz transition package into law

As expected, President George W. Bush yesterday signed budget-reconciliation legislation that includes a firm date for TV broadcasters to clear 700 MHz spectrum and $1.2 billion in funding earmarked for public-safety communications.
Last week, the U.S. House of Representatives voted 216-214 to approve the budget package, which requires broadcasters to clear the 700 MHz airwaves on Feb. 17, 2009, after which 24 MHz of frequencies will be allocated nationwide to public safety. Other airwaves in the band will be auctioned to commercial operators in a bidding process expected to generate $10 billion in additional revenue for the government.
Under previous law, broadcasters tentatively were targeted to clear the 700 MHz band by the end of this year, but they were not required to do so until 85% of all U.S. television sets could receive digital signals-a threshold that could take decades to reach, according to many analysts.
Some public-safety officials previously had expressed hope that first responders might receive more than the 24 MHz of airwave earmarked, but enacting the budget measure effectively ends such discussion, said Harlin McEwen, chairman of the International Association of Chiefs of Police communications and technology committee.
"All the spectrum that is not going to public safety is ready to be auctioned, so it is highly unlikely [that more frequencies would be dedicated to public safety]," McEwen said.
In addition to allocating spectrum to public safety, the law creates a $1 billion grant program to pay for public-safety interoperable communications systems, $156 million for national alert and tsunami warning systems and $43.5 million to help fund E-911 upgrades as called for in the Enhance 911 Act passed in 2004.
Most of the $10 billion in expected auction proceeds will be used to reduce budget deficits and to fund a program designed to provide people with analog TV sets low-cost converters that will let them receive digital broadcasts.

It's about time!!!

50. FCC Notice of Propsed Rule making in the 904-909.75 and 919.75-928 Mhz Bands

Yahoo group: Repeater-tips
Date: 2006-03-08 17:02:35 UTC
From: w3publicservice@yahoogroups.com
Topic: 50 Message: 50

AMENDMENT OF THE COMMISSION'S PART 90 RULES IN THE
904-909.75 AND
919.75-928 MHZ BANDS. Re-examined the Commission's
regulations
governing the licensing and use of frequencies in the
904-909.75 and
919.75-928 MHz portions of the 902-928 MHz band. (Dkt
No. 06-49).
Action by: the Commission. Comments Due: 05/30/2006.
Reply Comments
Due: 06/30/2006. Adopted: 03/01/2006 by NPRM. (FCC
No. 06-24). WTB
<http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-06-24A1.doc>
<http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-06-24A1.pdf>
<http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-06-24A1.txt>

ADDENDA: THE FOLLOWING ITEMS, RELEASED MARCH 6, 2006,
DID NOT APPEAR IN DIGEST NO. 43:

---

55. New repeater, Ham and GMRS catalog.

Yahoo group: Repeater-tips
Date: 2006-04-25 01:57:57 UTC
From: w3publicservice@aol.com
Topic: 55 Message: 55

Hi to the group,

Cook Towers, INC. has come out with some new catalogs
of in tress to us.

1- Now in it third reprint. The mobile info and antenna catalog.(CB, Ham &
GMRS)
2- The new Ham radio and GMRS catalog.
3- The new repeater catalog. With repeater duplexer, base and
repeater antenna catalog. Even has repeater tips. (Ham, GMRS, Police,
Fire & EMS)

All are free for the asking. Just drop my boss Kathy Cook
a note with your mailing address and it will go right out
to you via US mail.
They also have FCC parts 95 CB rules, 95-A GMRS rules and 97 Ham rules.
They even have a full list of rebuilt CB radios complete with a
one year warn tee.
All the above are free for the asking just send your address to.
cooktowersinc@... (mailto:cooktowersinc@...) or call told free
(877)992-2665
Ask for Kathy Cook and she will send what ever you need right
on out to you free of charge.

73,
Dean Westbrook, EE, PE.
Cook Towers, INC.

56. Repeater, Ampliifier and Such Catalogue

Yahoo group: Repeater-tips
Date: 2006-04-27 17:05:29 UTC
From: ab2lf
Topic: 56 Message: 56

Hello Repeater owners and trustees;

The next catalogue in our series , whch includes continuous duty repeater amplifiers, repeater power supplies, repeater preamplifiers and reciever multi-couplers is now available, as of today, free for the asking. Please drop us an e-mail at CookTowersInc@aol.com <mailto:CookTowersInc@...> or call us toll free at 877-992-2665. Please include your mailing address and we will be glad to send you one out through the US mail.

We have our new repeater catalogue available for the asking, as well as our new Amateur radio/ GMRS catalogue and mobile antenna catalogue are also available.

Kathleen Cook, CEO

COok Towers Inc.

60. Phasing Harness available

Yahoo group: Repeater-tips
Date: 2006-05-17 15:04:18 UTC
From: ab2lf
Topic: 60 Message: 60

As most of you repeater owners know ever since Andrew bought D B Products they have been discontinuing many items. One of the things they have discontinued is replacement parts of any kind. The thing that most often goes bad on their exposed dipole antennas is the phasing harness.

In our spring cleaning we came across a brand new phasing harness for 2 meters for the DB 224 antenna. We only have one and we are making it available to the repeater owners here on Repeater-Tips first.

If you are interested, please call me at our toll free number 877-992-2665. As DB no longer makes this, we may have the last available one.

Kathy Cook

Cook Towers Inc.

61. Commercial base and repeater antenna catalogs.

Yahoo group: Repeater-tips
Date: 2006-05-22 20:26:12 UTC
From: CookTowersInc@aol.com
Topic: 61 Message: 61

Hello All,
The place I work just came out with a new
Commercial Base station and repeater catalog.
Covers 10, 6, 2, 220, 440, GMRS and CB base
station and repeater antennas.
As with all the catalogs from Cook Towers they
are free for the asking. Just send your Post
office mailing address and they will fire you
one back. Or any of the following if you need.
1- CB, HAM, SWL, GMRS radio's
2- Mobile antenna catalog.
3- Repeaters.
4- Repeater accessories
5- Used rebuilt and refurbished CB radio's
We sell all types of coax even pre made with connectors installed.

Any way drop an e-mail to my boss lady _cooktowersinc@..._
(mailto:cooktowersinc@...)
tell her what you need and she will send it out to you.
Very best of 73,
Dean Westbrook, EE,PE.

75. New high gain omni base station by Sinclair.

Yahoo group: Repeater-tips
Date: 2006-08-04 21:30:44 UTC
From: w3publicservice@aol.com
Topic: 75 Message: 75

Hello All.,
We have been getting lots of calls about the new
high gain omni base station antenna by Sinclair.
The SUPPER GAINER BASE STATION!
Besides selling them.
It blows any Ham grade base station antenna away!
I thought I would send everyone the specs on this
antenna. It is in our base station antenna catalog.
If you want a picture just drop Kathy an e-mail
and ask her for the base station catalog.
cooktowersinc@... (mailto:cooktowersinc@...)

This guy is not all the big. Just 10 feet tall.

On two meters:
Gain in,
DBd 5.5 DBd
DBi 7.6 DBi
DBc 13.8 DBc (same ratting as the Ham grade people use)

On 440
Gain in:
DBd 2.5 DBd
DBi 4.6 DBi
DBc 10.8 DBc (same ratting as the Ham grade peoples use)

All your antenna's should be rated in DBd or run away!
I just wanted everyone to be able to compare antenna's
using the same ratting system. Comet and Diamond use the
Japanese system DBc and makes there stuff look a lot
higher. It is not really just the real good antenna company's
only use DBd as they should. So if the gain is only given in
just DB run away from it as fast as you can. Like if it is a
Diamond or Comet try this. Subtract 8.3 from there listed
DB gain and you will get the gain in DBd. Wholly cow it is
a minus number in DBd. Funny how that works. You bought
an antenna with less then unity! Beware of antennas that just
say DB if it is really rated in DBc as the above you are getting
taken for a ride. All ways look for an antenna in DBd.
Its not smoke and mirror when Charlie,W3WF does a mobile
up grade why it works so much better. He dumps the mag mount
giving you all most 3 DBd of gain. Uses an antenna with gain in
DBd not in the minis numbers. So lets see you have a mobile antenna
you though was 8 DB and it was minis 3 you had it on a mag mount
you have yet a minis 2.9 now you have a net loss of 3.3 now you
have a crimp on PL-259 2.5 of loss now your net loss is 5.8 at 147 MHz.

Every 3 DB cuts your signal in half. Right? We have not even added
your coax in. Charlie, W3WF comes in and installs a 3 DBd two meter
antenna, net gain in DBd is 3 now he installs an NMO-K-RG-400 mount.
0 loss at 147. Then the mount came with a silver/silver Teflon PL-259
that has been silver soldered on no loss at 147 MHz. so now you have a
net system gain of 8.8 DB. No smoke and morrows just a good RF engineered
antenna system for the mobile. Sorry Charlie the secret is out.
By the way the biggest mistake in Ham radio today is: 5/8's mag mount
any one knows a 5/8's wave needs a counterpoise. So if you must run
a mag mount all ways use a 1/2 wave. Stop just using the buzz word
antennas. Any thing even a rubber duck will work on a repeater that
is local. What will you do when the crap hits the fan and the repeater
is off the air? Have your base and mobile install done right!
Do it your self or get help from a person who knows like Charlie, W3WF
or for base stations Steve, WU3I.
It the same way with a base station antenna system.

73
Dean Westbrook, EE, PE.
Cook Towers, INC.

77. New mobile antenna catalog hot of the press and ready to ship.

Yahoo group: Repeater-tips
Date: 2006-08-09 19:18:35 UTC
From: CookTowersInc@aol.com
Topic: 77 Message: 77

Hello All,
Our new Mobile antenna catalog is just in today.
It has more antenna's and many more mounts
in it. More ideas. It is free to any one who would
like one. Just e-mail me your mailing address and
I will send one in the mail free of charge.
E-mail your request and your postal mailing address
to _cooktowersinc@..._ (mailto:cooktowersinc@...) and I will get one
right out to you.
THE MOBILE ANTENNA AND INFO CATALOG!

Very Best of 73,
Kathy Cook, CEO.
Cook Towers, INC.

79. Premium CB Radios available

Yahoo group: Repeater-tips
Date: 2006-08-15 14:59:43 UTC
From: CookTowersInc@aol.com
Topic: 79 Message: 79

Hello All Communicators,
Just judging by the buzz around here, folks are really gearing up for this year's bike tour. It really does a person's heart good to see all the different services working together for the good of our community.
Now on to the purpose of my post. I've noted on the air, on the phone, and right here on the list server, that there seems to be a need for Amateur radio operators who also have the ability to relay to and from the CB band to Net Control on the Amateur band. To this end, my father and I have had a limited number of premium Browning Model Sabre radios rebuilt and refurbished in our shop. They look and work like brand new and they come complete with a one year warranty.
The reason we chose this model of radio is as follows. They are 40 channel digital, they have a very high sensitivity to hear distant stations, the selectivity is excellent which keeps you from hearing bleed over from another channel or cross-channel interference. They have excellent receive audio and high audio output to the receiver making them great for emergency communications in high noise areas. Besides the one year warranty, these units come with a full length power cord, mounting bracket, stock hand mic and user manual.
(We also have available a Astatic M6 power mic wired and tested, if you wish).
Please see the attached picture.
Please give me a call toll free at 877-992-2665 for special pricing for public service communicators. I hope these radios will be useful, especially if you're signed up for the MS 150.
I can send you a photo if you send me an e-mail at _CookTowersInc@..._ (mailto:CookTowersInc@...) .
Best of 73,
Kathy Cook
Cook Towers Inc.

80. Fantastic antenna mounting system - 3/4" hole not needed

Yahoo group: Repeater-tips
Date: 2006-08-15 15:44:44 UTC
From: CookTowersInc@aol.com
Topic: 80 Message: 80

Hello all communicators;
We made a special purchase of kits that were put together by the antenna manufacturer but not picked up by the company that ordered them. We bought a limited number (6) for a good price and will pass the discount along. The kits were manufactured by Radiall/Larsen (not the same as Larsen the Amateur grade antenna company).
The kit consists of a K type mount with 17 ft of RG-58 CX coax cable, a loose PL-259 with reducer, and a L bracket. The unique factor of these antenna mounting kits is that you do not have to drill a 3/4 inch hole in the body of your car, such as you would with an NMO-K-** type mount, yet it will give you the same counterpoise as if you had drilled. The L bracket mounts easily
with three small sheet metal screws in the crack between the hood and the fender or trunk lid and fender.
We only have 6 and I'm sure they'll go fast. These are standard NMO type and will accommodate any NMO type of antenna.
We also stock the famous locking pliers mount, the mirror mount, the legendary K mount and trunk lip mount all in NMO with a variety of coaxial cables such as, but not limited to, RG-58 DS
(double shielded); and the extremely low loss RG-400 coax cable. We have a variety of solder on Silver/Silver Teflon type connectors.
Just a reminder - we close for vacation this Friday the 18th at 1700 hrs local time at all four of our locations. We won't reopen
until Tuesday Sept 5th at 0800 local time.
Need help with your antenna installation? Contact Charlie, W3WF, at _W3WF@..._ (mailto:W3WF@...) or his shop phone 610-970-4667.
Charlie is not affiliated with Cook Towers but he does wonderful work on installations.
Best of 73,
Kathy
Cook Towers Inc.

83. polyphasers

Yahoo group: Repeater-tips
Date: 2006-09-06 01:09:21 UTC
From: greenfin2002
Topic: 83 Message: 83

one of my sites was hit by lightning, took out most of the equipment. the polyphaser says it can take multiply hits. it still works but is its performance downgraded with each hit or is it still 100 percent good until it just fails. just wondering if it needs replaced?

pat

85. Re: [Repeater-tips] polyphasers

Yahoo group: Repeater-tips
Date: 2006-09-06 22:49:32 UTC
From: w3publicservice@aol.com
Topic: 83 Message: 85

It should be OK. But it does not soul like it worked right to begin with.

73 Dean Westbrook, EE,PE.

86. Trade in duplexers

Yahoo group: Repeater-tips
Date: 2006-09-07 14:31:33 UTC
From: CookTowersInc@aol.com
Topic: 86 Message: 86

```
We have the following duplexers that were traded in:
4 and 6 cavity for 440
4 cavity 220
4 cavity 2 meter (600 kc)
Please call to discuss your needs toll free 877-992-2665
Best of 73
Kathy Cook
Cook Towers Inc.
```

88. Stuff that is over stocked or we don't sell much of.

Yahoo group: Repeater-tips
Date: 2006-09-08 12:32:21 UTC
From: CookTowersInc@aol.com
Topic: 88 Message: 88

Hello Everyone.

We have a few things on special today only 9/8/2006.

We have the a small number of the Larsen
Mag Mounts. This is the round one with RG-58
no connector. Today only Half Price.

We have the Larsen trunk lip mounts with RG-58
Today only half price.

We do have good stock of the "K" type mounts
with RG-400 and a PL-259 (silver/silver Teflon)
that has be silver soldered on. Today only $5 off.

We have a couple of the Larsen "L" bracket kits.
with the RG-58 coax on special today only. This is
not the RG-58 DS coax but the standard RG-58

I will not be in the office today so on the above
just Ask for Dean he will be in today and can help
you.
Our toll free number is (877)992-2665

Very best of 73,
Kathy Cook, CEO.
Cook Towers, INC.

89. Running out of time!

Yahoo group: Repeater-tips
Date: 2006-09-10 19:59:45 UTC
From: CookTowersInc@aol.com
Topic: 89 Message: 89

Hello all communicators,
If you have been putting off ordering anything for the MS 150
City-to-Shore Bike tour from us, let it be known that you should order prior to Tuesday
September 12th. That's to allow for shipping and delivery time prior to the
MS 150.
Our hours are 0800 thru 1700 Eastern Monday through Friday with the
exception of this Friday, September 15th. We will be closed so our employees can
help with the set up preparations for the MS 150.
We have a full stock of Radiall/Larsen commercial antennas 5/8 wave, 1/2
wave, 1/4 wave for 2 meters or 222. We also have 2 meter/440 dual band and
end fed 1/4 waves for CB. All NMO type. We also have the hard to find NMO type
locking pliers mount and the NMO type K mounts, "L" bracket kits, trunk and
hatch back mounts and yes - even mag mounts. All for immediate shipment prior
to the bike tour.
See you all there!
Best of 73,
Kathy Cook
Cook Towers Inc.

98. Buzz words..Emergency CB radio.

Yahoo group: Repeater-tips
Date: 2006-11-25 16:05:08 UTC
From: w3publicservice@aol.com
Topic: 98 Message: 98

Hello All,

Buzz words with CB can cost you many dollars you don't need to spend.
Both FEMA and OEM. They require AM, good receiver (no bleed over or co
channel interference a good transmitter).
So there is no need to get a radio with side band it is just not used in
times of emergency.
So save your money. You will need 40 channel. Most people who do lots of
public service
use the tried and true Browning radios as they are the only radio that meets
all the specifications for emergency work. Where I work they stock and sell
re-ferb Browning radios for CB with the guarantee of two years. Yes they
sell the Side band and AM. For antennas you just can't beat the Radel/Larsen
model NMO- 150B for a small antenna that will do the job for you. The cheaper
radio's by Midland and Cobra will not do the job. Stay away from the export
type radios as well. The are poor at best. Plus they are not legal under FCC
rules so watch you what you plan to use. As with all antennas stay away from the
mag mounts. If you can't drill a hole try a trunk lip or hatch back or "L"
bracket type NMO mount. Use a good coax. The RG-400 is good will not yield
much at 27 MHz so a good RG-58 DS will work well. Stay away from single braid
type coax like RG-58, RG-8X, RG-8. Reminder your system is only as good as your
antenna system.
So the bottom line use a good radio, good coax and a good antenna. Stay away
from the buzz words and the so called CB grade things. Make it work well for
you when needed.
All ways run the power wire direct to the battery and fuse at the battery
end.
It is good that all of the Hams have a good working CB radio for times of
emergency as any one can own and use a CB radio. If you need help with your
mobile install Charlie, W3WF knows how to help you install your CB or any other
radio in your car the right way. (_w3wf@..._ (mailto:w3wf@...)) or by
phone (610)970-4667.
73,
Dean Westbrook, EE,PE.

99. FCC VEC Testing this Saturday 12/2/2006

Yahoo group: Repeater-tips
Date: 2006-11-28 17:52:46 UTC
From: w3publicservice@aol.com
Topic: 99 Message: 99

Hello All,

Metro-Comm, INC and The Over The Hill Gang will host FCC testing this Saturday
at 10 AM. St Luke's Church 37 East Grant Street Woodstown NJ. Not far from the
Delaware Mem. Bridge just off route 40. The Church is also close to the Commodore
Barry bridge. Just a short ride from the Philly bridges as well.
All ways a great turn out. If you would like a flyer or directions to the Church please
drop an e-mail to _w3publicservice@..._ (mailto:w3publicservice@...)
for info. You can all so call Kathy at work (856)881-6777.
Good luck to all who test for new or an up-grade to your Ham ticket!

73

100. Answer question about FCC testing.

Yahoo group: Repeater-tips
Date: 2006-11-29 15:49:26 UTC
From: CookTowersInc@aol.com
Topic: 100 Message: 100

To answer the question a few people have asked.

This Saturday will be the last FCC test that
Metro-Comm and the Over the hill gang will
host this year (2006). So plan on being at the
Church early this Saturday if you plan to take
your 1st test or to up grade. Doors open at 09:30 with the
doors closing at 10:00 am sharp!
73 and good luck!

101. Still a few over stocked antennas left!

Yahoo group: Repeater-tips
Date: 2006-11-29 21:45:21 UTC
From: CookTowersInc@aol.com
Topic: 101 Message: 101

Hello All.
We have a pile of the Maxrad model MUF302S wide band 1/2
wave 200 watt no ground needed 430 to 450 MHz NMO UHF
mobile antenna's

We have over stock Radell/Larsen NMO 27B wide band CB mobile antennas.

We also have a few NMO 900 MHz Ham band gain antennas.

Lots of Radell/Larsen NMOK-DS, Trunk lip and "L" bracket NMO type mounts.

If you would like any thing to up grade your mobile gave me a call.
I will be back in the office this coming Monday. Give me a call and we can
chat!
Toll free (877)992-2665 or e-mail me at _cooktowersinc@..._
(mailto:cooktowersinc@...)

Very best of 73,
Kathy Cook, CEO
Cook Towers, INC.

102. Best sale ever!

Yahoo group: Repeater-tips
Date: 2006-11-30 19:17:36 UTC
From: CookTowersInc@aol.com
Topic: 102 Message: 102

We have the best sale on antenna mounts ever!

The supper low loss K mounts with 17' RG-400
and the Silver/Silver Teflon PL-259 silver soldered on
List $69.58 Sale $32.40

The type "K" mount with RG-58 DS (double shielded)
List $33.00 Sale $18.50 (less connector)

Many greater deals! All new over stocks!
Call me toll free this Monday toll free (877)992-2665.

73 Kathy Cook, CEO
Cook Tower, INC.

103. New band chart instock for the asking.

Yahoo group: Repeater-tips
Date: 2006-12-03 16:17:42 UTC
From: CookTowersInc@aol.com
Topic: 103 Message: 103

Hello All,
We have the new band plan color chart.
Just like the old one it's free for the asking.
Please send your mailing address and I will
send it out via US Mail at no charge!
E-mail your request to _cooktowers@..._ (mailto:cooktowers@...)

Very Best of 73,
Kathy Cook, CEO
Cook Towers, INC.

104. New frequency chart.Yes it's still free.

Yahoo group: Repeater-tips
Date: 2006-12-06 20:41:32 UTC
From: CookTowersInc@aol.com
Topic: 104 Message: 104

Just to answer a question I keep getting.
The new band chart has all the bands we
as HAMS can use today. Our old one was made back in the 80 tys
the new bad chart covers 160, 80/75, 60, 40,
30,20, 17, 15, 12, 10, 6, 2, 1.25, meters
as well as 70, 33, 23 centimeters plus 2300,
2390, 3300, MHz and 10, 24.0, 47.0, 76.0,
122.25,134, 241, GHz and above 275 GHz
with all classes list. The color chart is free
for the asking just send your mailing address
to me at _cooktowersinc@..._ (mailto:cooktowersinc@...) I will be
glad
to send you a copy. Sorry I can't send it by
e-mail but I will be glad to send it snail mail.
Very Best of 73,
Kathy Cook, CEO.
Cook Towers, INC.

105. Holiday hours.

Yahoo group: Repeater-tips
Date: 2006-12-11 21:47:31 UTC
From: CookTowersInc@aol.com
Topic: 105 Message: 105

Cook Towers, INC
Will be open Monday through Friday 08:00
till 17:00 Hours eastern time.
We will close Friday December 22, 2006 at 17:00
HRS and will be closed for a week for the holidays
and re-open Tuesday January the second 2007
at 08:00 HRS.
We wish everyone a great holiday season!

Very best of 73,
Kathy Cook, CEO.
Cook Towers, Inc.

106. Are you ready?

Yahoo group: Repeater-tips
Date: 2006-12-11 18:45:03 UTC
From: CookTowersInc@aol.com
Topic: 106 Message: 106

Are you ready for the largest changes to Amateur Radio in recent history?
We, at Cook Towers, have the complimentary frequency chart for the new
band plan that goes into effect this Friday, December 15, 2006. We also have a
full compliment of low band radios capable of the new bands and frequencies.
We still have a couple of the OEM (Office of Emergency Management)
refurbished and recommended 40 Channel CB radios for public service. We also have
catalogues for mobile antennas and mounts,
commercial base station antennas, two-way radios and repeater and repeater
accessory catalogues available. If you would like to order a complimentary
Omnibus Frequency Chart, please drop me an e-mail with your US Post Office
mailing address to _CookTowersInc@..._ (mailto:CookTowersInc@...) . For
radio information, antennas, repeaters and accessories, please give us a call
toll free at 877-992-2665.
73
Kathleen Cook
Cook Towers Inc.

107. Are you ready for omnibus?

Yahoo group: Repeater-tips
Date: 2006-12-13 20:27:10 UTC
From: CookTowersInc@aol.com
Topic: 107 Message: 107

Are you ready for this Friday's new band changes?
Need a new free color band chart?
We have em and they are free for the asking.
Drop us an e-mail with your address! _cooktowersinc@..._
(mailto:cooktowersinc@...)
We will mail yours right out to you!
Friday will be here before you know it!
Very best of 73,
Kathy Cook, CEO.
Cook Towers, INC.

108. please enjoy the omnibus!

Yahoo group: Repeater-tips
Date: 2006-12-14 17:51:07 UTC
From: CookTowersInc@aol.com
Topic: 108 Message: 108

We wish every one happy DXing on the new bands!

73 From all of us at Cook Towers!!

109. Yes we still have them!

Yahoo group: Repeater-tips
Date: 2006-12-16 00:22:08 UTC
From: CookTowersInc@aol.com
Topic: 109 Message: 109

To answer everyone at the same time!

Yes we still have plenty of the new band
plan color wall charts. So if you would like
one just send your post office mailing address
and we will send one out free of charge.
They cover the following:
160, 80,60,40,30,20,17,15,12 and 10 meters
plus the VHF and UHF bands,
6,2,1.25 meters
and 70,33,and 23 Centimeters
plus all the microwave bands
for Novice, Technician, Technician Plus, General,
Advanced, and Extra Class
We worked a lot of the new band space today
and it was so wonderful!
Happy DXing,
73
Kathy,

cooktowersinc@... (mailto:cooktowersinc@...)

110. FCC Testing 2/03/07

Yahoo group: Repeater-tips
Date: 2006-12-18 22:48:19 UTC
From: w3publicservice@aol.com
Topic: 110 Message: 110

FCC, Amateur Radio Testing

All testing levels: Entry Level to Extra Class

Saturday February 3, 2007

Woodstown, New Jersey

Sponsored by

Metro-Comm, Inc. and the 96 Over the Hill Gang

Testing location: St Luke’s Episcopal Church

37 East Grant Street

Woodstown, New Jersey

Time: 09:30 am sharp (Doors locked at 10 am)

For map, driving directions and more information, please

Contact: W3PublicService@...

Or call Kathy, AB2LF at 856-881-6777 (work)

Talk-in on the Metro-Comm Repeater System!

224.960-, 443.050+ PL-156.7 and the Chester Pa.-1 GMRS.

CB channel 32 (am)

Fee to take the test $14.00

You must bring two forms of identification. Copies of any existing license or CSCEE and your FRN #. Makes checks payable to the ARRL/VEC or have exact cash.

111. Yes I will

Yahoo group: Repeater-tips
Date: 2006-12-19 22:06:05 UTC
From: w3publicservice@aol.com
Topic: 111 Message: 111

Hello All,
Yes I will get to every one's questions about mobile antennas here on the list severs! Goodness do you all have a pile of questions.
I am so busy at work that I just have not had any time. But I am off all next week and will get to them all. Most of you have the right idea. "DUMP THE MAG MOUNT"! But you can still use a mag mount if you need to but you must use the right antenna to do the job.
I also heard that the powers to be are going to ask Charlie, W3WF to do an antenna party down at the Church on the same day they do the next testing so stay tuned on that one!
73,
Dean Westbrook, EE,PE.
Cook Towers, INC.

112. Hot off the press!

Yahoo group: Repeater-tips
Date: 2006-12-21 00:37:15 UTC
From: CookTowersInc@aol.com
Topic: 112 Message: 112

Hello All,

We just got one more shipment of the new
color band plan wall charts. Yes they are still
free for the asking. Just send me your post
office mailing address to _cooktowersinc@..._
(mailto:cooktowersinc@...)
I will mail you a chart out by return post office
mail. We do not keep your mailing address or
add you to any list. We only add names to our
mailing list if you buy from us. The charts are
free to help our fellow Hams with the new band
plan.
Happy DXing!
73,
Kathy Cook, CEO.
Cook Towers, INC.

113. Just a reminder.

Yahoo group: Repeater-tips
Date: 2006-12-21 23:41:27 UTC
From: CookTowersInc@aol.com
Topic: 113 Message: 113

Hello All,
Just a reminder that Cook Towers, INC.
will close Friday evening at 17:00 HRS (tomorrow) and be closed
till 08:00 HRS 1/2/2007. If you need any thing such as a band chart
we will mail it out before we close on Friday.
We wish everyone a great holiday and happy
new year!
Happy DXing,
Very best of 73,
Kathy Cook, CEO.
Cook Towers, INC.

114. Planing on up-gradeing your FCC ticket? Please read!

Yahoo group: Repeater-tips
Date: 2006-12-29 22:23:03 UTC
From: w3publicservice@aol.com
Topic: 114 Message: 114

FCC, Amateur Radio Testing

All testing levels: Entry Level to Extra Class
Saturday February 3, 2007
Woodstown, New Jersey

Sponsored by
Metro-Comm, Inc. and the 96 Over the Hill Gang

Testing location: St Luke’s Episcopal Church
37 East Grant Street
Woodstown, New Jersey
Time: 09:30 am sharp (Doors locked at 10 am)
For map, driving directions and more information, please
Contact: _W3PublicService@..._ (mailto:W3PublicService@...)
Or call Kathy, AB2LF at 856-881-6777 (work)
Talk-in on the Metro-Comm Repeater System!
224.960-, 443.050+ PL-156.7 and the Chester Pa.-1 GMRS.
CB channel 32 (am)
Fee to take the test $14.00
You must bring two forms of identification. Copies of any existing license or CSCEE and your FRN #. Makes checks payable to the ARRL/VEC or have exact cash.

115. Happy New Years and Thank you all!

Yahoo group: Repeater-tips
Date: 2006-12-30 00:06:47 UTC
From: Cook Towers, INC
Topic: 115 Message: 115

We at Cook Tower would like to wish everyone a Happy New Year!
Thank you all for making a great 2006 and we look forward to 2007
when we re-open on 1/2/2007 after our holiday break!
73,
Kathy Cook CEO.
Cook Towers, INC.

116. 2007

Yahoo group: Repeater-tips
Date: 2007-01-01 13:55:21 UTC
From: Russ Stafford
Topic: 116 Message: 116
Attachments: 1 described; binary payloads are missing from this source WARC

Wishing you a
Happy New Year!!
73
Kathy, AB2LF, WPYM-499
and
Russ, W3CH, WPYK-254
Plus
Ed "DAD", W3ERC

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.1.409 / Virus Database: 268.16.1/611 - Release Date: 12/31/2006

117. Thank You

Yahoo group: Repeater-tips
Date: 2007-01-03 00:12:03 UTC
From: AllanKB5DOH
Topic: 117 Message: 117

Hi, Allan kb5doh here and my QTH Norman, OK. My question is in referance to tower and what is true and fact, I have been told that when putting a tower up that to never have the antenna right in the wave-length example 30 ft not to have the antenna right at 36 to 37 ft above the ground some say no never some say yes. ? what is fact and what is myth. ?

Please forgive me but getting confused at my age and memory is partly cloudy and getting thicker lol [;)]

118. Forgot to say

Yahoo group: Repeater-tips
Date: 2007-01-03 00:13:03 UTC
From: AllanKB5DOH
Topic: 118 Message: 118

Allan here forgot to say thank you for allowing me to join this group.

119. Re: [Repeater-tips] Thank You

Yahoo group: Repeater-tips
Date: 2007-01-03 16:39:31 UTC
From: Russ Stafford
Topic: 117 Message: 119

That is an old wise tails!
You should all way have the tower at least one wave length
above the ground for the antenna it has on it.
Or one wave length above the ground for the lowest
frequency of the antenna it is supporting.
73,
Russ Stafford, BSEE, MSPE.
Ham, W3CH.
GMRS, WPYK-254.
FCC, GROL

----- Original Message -----
From: AllanKB5DOH
To: Repeater-tips@yahoogroups.com
Sent: Tuesday, January 02, 2007 7:12 PM
Subject: [Repeater-tips] Thank You

Hi, Allan kb5doh here and my QTH Norman, OK. My question is in referance to tower and what is true and fact, I have been told that when putting a tower up that to never have the antenna right in the wave-length example 30 ft not to have the antenna right at 36 to 37 ft above the ground some say no never some say yes. ? what is fact and what is myth. ?

Please forgive me but getting confused at my age and memory is partly cloudy and getting thicker lol

---

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.1.409 / Virus Database: 268.16.3/614 - Release Date: 1/2/2007

120. Re: [Repeater-tips] Thank You

Yahoo group: Repeater-tips
Date: 2007-01-03 21:02:44 UTC
From: w3publicservice@aol.com
Topic: 117 Message: 120

Russ is right but did not follow it through.
This is for below 60 MHz.
Plus if you are going to add to your tower
a VHF or UHF antenna you must space it a
wave length off the side to get the tower out
of the pattern as well as many more tricks of the trade.
73 Dean Westbrook, EE,PE
Cook Towers, INC.

121. Re: [Repeater-tips] Thank You

Yahoo group: Repeater-tips
Date: 2007-01-03 21:22:16 UTC
From: Russ Stafford
Topic: 117 Message: 121

Dean is right to know how high to make the tower it is easy.
468 divided by the frequency of the antenna on top plus two. Then divided
by 12" to get it in feet
then make the tower that high to the bottom of the antenna if below
60 MHZ, Yep that will do it all right! IE: for a 10 Meter antenna at 28.405 MHz
28.405 divided by 468 = 60.6944 times 2 = 101 then divide by 12 inches for feet 101 feet of
tower at 13 feet 8 inches of mast to the bottom of
the antenna to have it work 100% in free space!
73,
Russ Stafford, EE,PE.
Ham, W3CH
GMRS, WPYK-254
FCC, GROL.

----- Original Message -----
From: Russ Stafford
To: Repeater-tips@yahoogroups.com
Sent: Wednesday, January 03, 2007 11:39 AM
Subject: Re: [Repeater-tips] Thank You

That is an old wise tails!
You should all way have the tower at least one wave length
above the ground for the antenna it has on it.
Or one wave length above the ground for the lowest
frequency of the antenna it is supporting.
73,
Russ Stafford, BSEE, MSPE.
Ham, W3CH.
GMRS, WPYK-254.
FCC, GROL

----- Original Message -----
From: AllanKB5DOH
To: Repeater-tips@yahoogroups.com
Sent: Tuesday, January 02, 2007 7:12 PM
Subject: [Repeater-tips] Thank You

Hi, Allan kb5doh here and my QTH Norman, OK. My question is in referance to tower and what is true and fact, I have been told that when putting a tower up that to never have the antenna right in the wave-length example 30 ft not to have the antenna right at 36 to 37 ft above the ground some say no never some say yes. ? what is fact and what is myth. ?

Please forgive me but getting confused at my age and memory is partly cloudy and getting thicker lol

---

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.1.409 / Virus Database: 268.16.3/614 - Release Date: 1/2/2007

No virus found in this incoming message.
Checked by AVG Free Edition.
Version: 7.1.409 / Virus Database: 268.16.3/614 - Release Date: 1/2/2007

122. Up Grade? We will be glad to have you come and up-grade!!

Yahoo group: Repeater-tips
Date: 2007-01-04 20:25:54 UTC
From: w3publicservice@aol.com
Topic: 122 Message: 122

FCC, Amateur Radio Testing

All testing levels: Entry Level to Extra Class
Saturday February 3, 2007
Woodstown, New Jersey

Sponsored by
Metro-Comm, Inc. and the 96 Over the Hill Gang

Testing location: St Luke’s Episcopal Church
37 East Grant Street
Woodstown, New Jersey
Time: 09:30 am sharp (Doors locked at 10 am)
For map, driving directions and more information, please
Contact: _W3PublicService@..._ (mailto:W3PublicService@...)
Or call Kathy, AB2LF at 856-881-6777 (work)
Talk-in on the Metro-Comm Repeater System!
224.960-, 443.050+ PL-156.7 and the Chester Pa.-1 GMRS.
CB channel 32 (am)
Fee to take the test $14.00
You must bring two forms of identification. Copies of any existing license or CSCEE and your FRN #. Makes checks payable to the ARRL/VEC or have exact cash.

123. Open and yes we do!

Yahoo group: Repeater-tips
Date: 2007-01-04 21:17:40 UTC
From: CookTowersInc@aol.com
Topic: 123 Message: 123

Hi everyone,
We are back open after our winter break.
Yes we do have the new color band charts
that are free for the asking. We also have
catalogs for mobile, and base station antennas.
Plus repeaters and power supply's and all things Ham
radio just for the asking. My e-mail address is _cooktowersinc@..._
(mailto:cooktowersinc@...)
or toll free (877992-2665. Best time to get me is Monday.
We are open 08:00 till 17:00 Monday till Friday and closed
Saturday and Sunday. You can write to the e-mail address
above with request any time.
Very best of 73,
Kathy Cook, CEO.
Cook Towers, INC.

124. Fw: [RLC] Link Communications Pre-Release Announcement

Yahoo group: Repeater-tips
Date: 2007-01-10 23:24:54 UTC
From: link_comm@hotmail.com>
Topic: 124 Message: 124

----- Original Message -----
From: "Allan Overcast" <link_comm@...>
To: repeater-tips@yahoogroups.com
Sent: Wednesday, January 10, 2007 5:45 PM
Subject: [RLC] Link Communications Pre-Release Announcement

Link Communications introduces a new addition to its repeater controller family. The RLC Digital Controller (yet to be named) builds upon the proven
RLC-3 and RLC-Club designs, while providing advanced features that aren't available in any other product. There are some things that we can already tell you about the design, some things that we haven't settled on yet, and some things we won't talk about until later :) We are looking for input to ensure that the new system includes the features that are most important to you, our customers.

Among the features that we can talk about:

* The audio path will be digital (48K samples/second, better than CD quality). This will allow many features to be implemented without additional hardware (digital audio delay, voice recording/storage, digital squelch, etc) and without any loss of audio quality.

* Voice library can be easily updated or extended using standard .wav files.

* New Windows (tm) control software will make reconfiguring things on the fly simple, and will provide real-time status, indicating exactly what is going on at each moment.

* Improved firmware will retain the flexibility of the RLC-3 and RLC-Club series of controllers while making advanced features easier to use. Some of
the improvements may also show up in a firmware update for those controllers.

* Modular design will allow easy expansion in increments of four ports (4, 8, 12...).

* Integrated Ethernet network interface will enable remote management (which
can be done over the serial port as well), as well as VoIP/RoIP (Voice/Radio
Over IP), over the Internet or a private network. Of course the controller will work without a network connection, but those features won't be available.

Some of the features we could use feedback about include:

* A good name for the new controller.

* Type of front-panel display you prefer: LEDs for each signal (similar to current controllers), or an interactive LCD display? Remember that a computer running the new management software will provide real-time status too.

* Frequency-controllable remote base radios:
> What brand and model of remote base radio you are most likely to use (Icom IC-706, Yaesu FT-900, Kenwood TS-440...)?
> How many serial ports are needed? Typically each remote base radio needs a serial port for control.
> Is it worth adding dedicated 1/8" connectors for Icom CI-V radios such as the IC-706/7000, or is it better to just use pins on the DB-9 radio port connectors for the serial signals?

* Desired use for VoIP/RoIP features:
> Monitoring the repeater from a computer running the management software.
> Point to point links between radio sites (replacing RF links or linking sites that weren't close enough to link with RF).
> Interfacing to other VoIP/RoIP networks. If you would use this feature, which systems would you want to interface with (IRLP, Echolink, D-Star...)? These interfaces would probably be options.

* Number/type of I/O lines for site telemetry (remember that these require hardware and therefore affect production cost).

* Audio adjustments: Should the major transmitter and receiver level adjustments be made with physical pots or software-controlled pots?
> The advantage of physical pots is that you can just grab a screwdriver and adjust them without having to go though some kind of user interface (minor level tweaks would still be possible through software).
> The advantage of software-controlled pots is that you can make even major level adjustments remotely.
> If the physical pots were accessible without opening the case would it change your answer?

Things we aren't talking about yet :)

* Subaudible tone (PL/DPL)

* Price

* Release date (stop and see us at the Dayton Hamvention for more, hint, hint...)

If you have thoughts, ideas, questions, or want updated information, see http://digitalrlc.link-comm.com. We will try to keep that web page up to date with any new information and with answers to your questions (at least to the ones we are willing to talk about :).

Allan Overcast KF7FW
Link Communications, Inc.
www.link-comm.com

Submit your programming ideas and examples to the list so that others may benefit from your nowledge.
Yahoo! Groups Links

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No virus found in thisout going message.
Checked by AVG Free Edition.
Version: 7.1.410 / Virus Database: 268.16.8/621 - Release Date: 1/9/2007

125. More bad news with mobile antennas?

Yahoo group: Repeater-tips
Date: 2007-01-12 18:00:56 UTC
From: w3publicservice@aol.com
Topic: 125 Message: 125

Hello Every one,
As some of you well know the antenna business is wild here lately.
Word came out today that Larsen has been sold. They were
bought by Pause, inc. I called and was told that they plan to keep
most of there line of antennas for now. Were I work they have
a very good stock of about everything in the Larsen line up.
Just thought I would pass this info on to everyone.
Very best of 73,
Dean Westbrook, EE,PE.
Cook Towers, INC.

126. Kendecom Mark 4 to CAT-1000

Yahoo group: Repeater-tips
Date: 2007-01-17 19:44:33 UTC
From: Mike (WM4B) Besemer
Topic: 126 Message: 126

Greetings all,

Our club has 2 Kendecom Mark 4 repeaters, both of which have been lightning struck through the phone line, but which have good receivers and transmitters. I've tried to make one good one from the two of them, and have come up with one repeater which is functional as a spare for our ACS KPR-5000, but it is not 100% operational. I'd like to interface one of the Mark 4's with our spare CAT-1000. Has anybody done this who is willing to share their interface with me. I've looked it all over and it seems quite do-able, but I've already got more irons in the fire then I need, so I'd appreciate not having to reinvent the wheel.

73,

Mike

WM4B

Kathleen, GA

Central Georgia Amateur Radio Club

http://members.cox.net/cgarc

127. Greetings

Yahoo group: Repeater-tips
Date: 2007-03-04 08:35:47 UTC
From: AllanKB5DOH
Topic: 127 Message: 127

Hi, Where is everyone whats up , whats new, anyone there ?

128. Re: [Repeater-tips] Greetings

Yahoo group: Repeater-tips
Date: 2007-03-12 19:40:51 UTC
From: M M
Topic: 127 Message: 128

This is a very low traffic mailing list. It seems that most of the action is over on the repeater-builder list (over 3,400 members). Their web sitewww.repeater-builder.com is a garden of technical delights.

At 01:35 AM 03/04/07, you wrote:
Hi,Where is everyone whats up , whats new, anyone there ?

TV dinner still cooling?
Check out "Tonight's Picks" on Yahoo! TV.

129. VSWR Issues

Yahoo group: Repeater-tips
Date: 2007-05-26 14:02:50 UTC
From: Mike Besemer (WM4B)
Topic: 129 Message: 129

Greetings all,

My club repeater system consists of a KRP-5000 feeding (what we think is) a DB-224 mounted on a watertower at about 140'. The feedline is about 170 feet of one-inch helix. We'd been getting some comments from users about decreased coverage, but had attributed most of them to the heavy foliage we're seeing now (we have the same issue every spring), but nonetheless last night the two of us on the technical committee went to the site to do some checking. (As a sidebar, my background is 24 years USAF as an avionics tech and my buddy works as a radio/radar tech for the FAA.)

At the site, a quick power check revealed the problem. 9 watts forward, 3 watts back (checked from both sides of the cans). The transmitter output should be 30 watts. Checked the transmitter into a Comm Systems Analyzer and verified 8.6 watts from the transmitter. So. we know that the transmitter is toasted, no doubt from excessive reflected power.

The next step was to put a TDR on the line. Everything appeared to be okay up to the antenna, but the termination point (antenna) looked pretty ragged. What does a DB-224 (or similar) antenna look like on a TDR? (We tried to print the TDR image so I could share it, but the printer was not cooperating.)

I need to add that we DO NOT have access to the water tower. Previous club leadership pulled some fast ones on the county and we are forbidden from climbing the tower. Whatever needs to be done, we must use the same crew the county uses and pay all costs. Also, we're the only ones on the tower, so there is no routine maintenance done on the tower that we can piggy-back on. Bottom line. we need to figure out what we need to do and have everything in place if we need to hire a crew to come out and do the work for us.

If I had access to the tower, I'd terminate the top of the hardline with a 50 ohm load and recheck the reflected power to verify that the feedline is good. I'd also check power at the top to see how much loss we had. (The antenna has been up there for more years than anyone can remember. we believe that the last time it was inspected was 1994.) The hardline itself looks very good, and we inspected the antenna as best we could from ground-level with a sighting scope and could not see anything obviously mucked up.

I'm guessing that the feedline is okay but that the antenna is going to need either overhauled or replaced. and since we're going to have to pay for the rigging crew, replacing the antenna would probably be the cheapest route.

Thoughts, suggestions? Did we miss anything obvious? Suggestions for a new antenna that will last as long as this one did? I hate to go to the

membership with a 'we think this is what is wrong and we need to spend money', but without access to the tower we're pretty much hamstrung. Anybody got a TDR image of a DB-224 (or similar) that we can use for comparison?

Thanks in advance,

Mike

WM4B

130. GMRS 450-470 Antenna for sale/trade,

Yahoo group: Repeater-tips
Date: 2007-07-21 02:43:05 UTC
From: Noel Spears
Topic: 130 Message: 130

I bought at a recent Hamfest, an antenna described by the seller as a 440 amateur band antenna. It has a type "N" connector on the bottom. The connector had a short length of cable attached, which was discarded. The connector is in great shape. After checking the antenna on a club antenna analyzer, it was determined to be usable in the range of 450 MHz to 470 MHz. After consulting with people that are more knowledgeable, and after checking the web, this antenna appears to be a Stationmaster II Omni Fiberglass model PD201-7. It may be an earlier model. Since the ID tag is missing, it is impossible to determine the exact make or model.

Pictures are available. I will cheerfully send them to whoever sends me an email at Rascal132 at Bigfoot dot com, or my ARRL.net email address. I will cheerfully sell this antenna, or trade it for an equivalent value 440 amateur band antenna.

Noel N2OEL

131. GMRS 450 to 470 for sale/trade

Yahoo group: Repeater-tips
Date: 2007-07-21 12:48:09 UTC
From: Noel Spears
Topic: 131 Message: 131

I bought at a recent Hamfest, an antenna described by the seller as a 440 amateur band antenna. It has a type "N" connector on the bottom. The connector had a short length of cable attached, which was discarded. The connector is in great shape. After checking the antenna on a club antenna analyzer, it was determined to be usable in the range of 450 MHz to 470 MHz. After consulting with people that are more knowledgeable, and after checking the web, this antenna appears to be a Stationmaster II Omni Fiberglass model PD201-7. It may be an earlier model. Since the ID tag is missing, it is impossible to determine the exact make or model.

Pictures are available. I will cheerfully send them to whoever sends me an email at Rascal132 at Bigfoot dot com, or my ARRL.net email address. I will cheerfully sell this antenna, or trade it for an equivalent value 440 amateur band antenna.

Noel N2OEL

132. LTR Repeater

Yahoo group: Repeater-tips
Date: 2009-08-06 03:45:57 UTC
From: Mike
Topic: 132 Message: 132

Anyone had any use or feedback on the Bridgecom Systems trunking equipment? I am looking at setting one up in our area, utilizing two different sights, with 4 frequency's at one site and 3 frequencies at another site. They are about 20-25 miles apart. Just curious if anyone has used them, and what their quality is like.

I have used Vertex for years, with no problems, as well as some older GE and Motorola, also with no problems.

Looking at a trunking option, but with all the features of the Bridgecom ,they look like a great opportunity

Thanks.